integriti
INTEGRATED SOLUTIONS

INTEGRITI THIRD PARTY DOOR INTEGRATIONS



INNER RANGE recommends that all Inner Range systems be installed & maintained by FACTORY CERTIFIED TECHNICIANS.

For a list of Accredited Dealers in your area refer to the Inner Range Website.
http://www.innerrange.com

ASIAL MEMBER
AUSTRALIAN SECURITY INDUSTRY ASSOCIATION LIMITED
GOLD MEMBER

Inner Range Pty Ltd
ABN 26 007 103 933

1 Millennium Court, Knoxfield, Victoria 3180, Australia
PO Box 9292, Scoresby, Victoria 3179, Australia
Telephone: +61 3 9780 4300 Facsimile: +61 3 9753 3499
Email: enquiries@innerrange.com Web: www.innerrange.com

Certified System
Quality
ISO 9001

s

Table of Contents

PURPOSE **3**

CONFIGURATION **3**

INSTALLATION 3
ENROLMENT 3

SYNCHRONISATION **6**

CREATING 3RD PARTY CONTROLLERS 6
SYNCHRONISING DOORS 7
SYNCHRONISING OTHER ENTITIES 7
ACCESSING CUSTOM FIELDS WITHOUT A PROPERTY GRID 7

EVENT MONITORING **9**

MONITORING EVENTS/ALARMS 9
Filtering Events/Alarms Received *9*
DOOR EVENTS AS TRIGGERS 10

INVOKING COMMANDS **11**

s

Purpose

Integriti Third Party Door Integrations allow for the managing of Users, Doors and other entities within a Door system. This allows Integriti to provide a single head-end for both day-to-day managing and system monitoring, as well as the ability to broadly manage things like doors, permissions and other structural entities.

Door Integrations provide two key features:

- **Entity Synchronisation –** Users, Doors and other entities from the Integriti system can by synchronised to a 3rd party door system. This allows new Entities to be created and existing Entities to be updated directly from Integriti to ease administration and mitigate data entry inconsistencies.
- **Event Monitoring –** Events from an integrated 3rd party door system can be pulled directly into Integriti's Review. This allows events and alarms generated by the door system to leverage Integriti's alarm management and reporting capabilities.

Configuration

Installation

Close all instances of the Integriti software suite on the PC to install the integration on, including stopping all running Integriti services (if installing on the Integriti server).

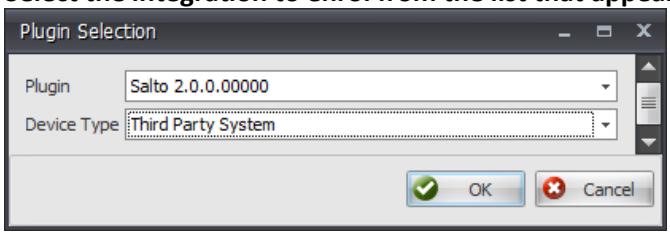
Download and run the Integriti Door Integration installer on all Integriti servers first, before running on all client workstations that will be interacting with the integration; including viewing video, updating the integration's configuration and invoking commands.

After the installation has completed, remember to start all of the services that were stopped prior to running the installation.

If reverting to an earlier version of an Integriti Integration, ensure that the currently installed version of the integration is uninstalled prior to installing the earlier version.

Enrolment

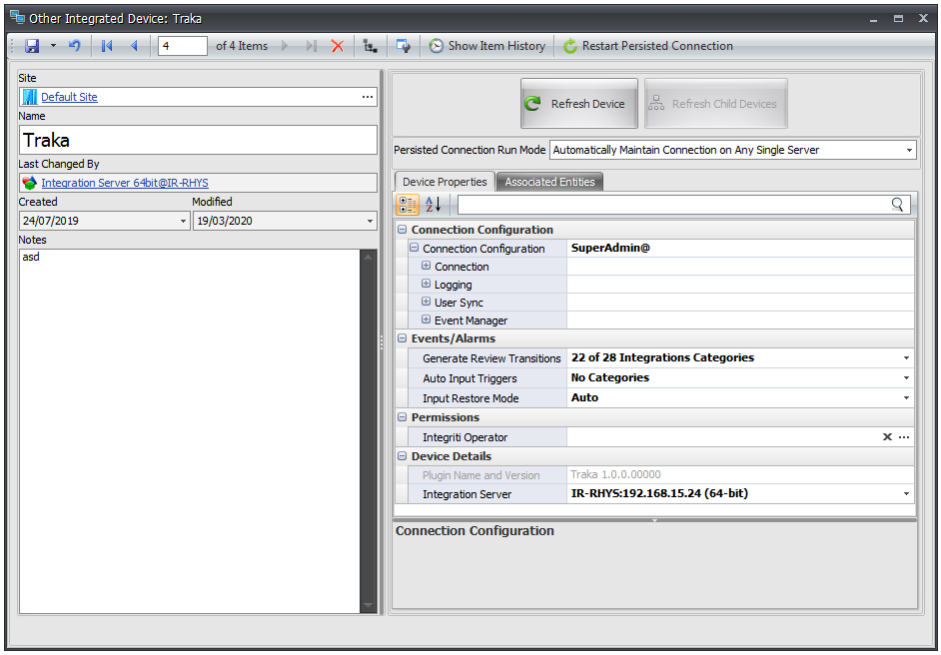
1. In Integriti System Designer, select 'New Integrated Device' from the System tab.
2. **Select the integration to enrol from the list that appears and press Ok.**



NOTE: The same version of each integration must be installed on both the Integriti Integration Server and on the Integriti Client Workstation that is enrolling the integration for it to be enrolled.

If the desired integration does not appear in the drop-down list, ensure that both the 32-bit and 64-bit (for supported OS's) Integriti Integration Servers are running.

s



3. In the editor window that appears, give the newly created device a Name and optionally enter some Notes describing the device.

4. **Persisted Connection Run Mode** - Select the preferred Persisted Connection Run Mode. This is necessary for features such as event and camera state monitoring. This typically does not affect the ability to view video or invoke commands on this device and its child devices.

   The following options are available for the Persisted Connection Run Mode:
   Automatically Maintain Connection on Any Single Server – This is the recommended option if a persisted connection is to be enabled and will ensure that there is always one Integriti Integration Server connected to the 3rd party system, provided at least one Integriti Integration Server is available.
   In high availability systems, if the Integriti Integration Server that this device's persisted connection is running on goes offline, the persisted connection will automatically start up again on another running server.
   Maintain Connection on the Specified Server – This option will run the persisted connection to the 3rd party system only on the specified server and no others. This is the best option to use if only one of the available Integration Servers is able to connect to the 3rd party system. If the specified server goes offline, the integration will lose its connection to the 3rd party system until the specified integration server comes back online.
   Simultaneously Maintain Connection on All Servers – This option will establish a persisted connection to the 3rd party system on every Integriti Integration Server at the same time. This can result in the most simultaneous connections to the 3rd party system, and can result in duplicate Review Records being logged for events received from the 3rd party system.
   Disabled – Disables the persisted connection to the 3rd party system for this device. This option should only be used if event and state monitoring are not required from this device and will result in one fewer connections being made to

s

the 3rd party system at all times This may be useful if only a limited number of simultaneous connections are permitted by the 3rd party system.

5. **Connection Configuration -** On the 'Device Properties' tab, under 'Connection Configuration', configure the integration specific properties, including details on connecting to the 3rd party system. For more details on how to configure integration specific properties, please refer to the individual integration's manual.
6. **Events/Alarms –** Under this category, configure the desired review categories/transitions that will generate Review. There are also options to trigger inputs based on the
7. Select the Save button to save the newly created device.
8. **Refresh Device -** If the 'Refresh Device' button is both visible and not greyed out, click on it to load configuration details from the 3rd party system.
   The exact details that are loaded from the 3rd party system by the Refresh Device button varies between different integrations, however typically this will load other system objects used by the Integration for caching purposes or for assignment to Integriti entities.
9. Save and close the editor window for the new device and, if enabled, a persisted connection will automatically begin to the Door system and start any monitoring supported by the integration and enabled in the device's properties.

NOTE: All sections below this point assume that the above enrolment steps have been completed correctly and a connection to the 3rd party system has been successfully established.

s

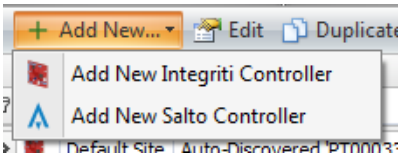
Synchronisation

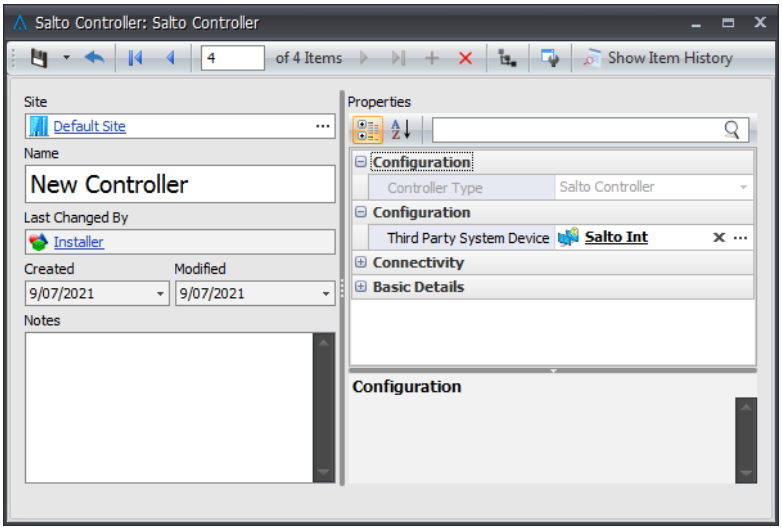
One of the key features of 3rd Party Door Integrations is synchronising Integriti entities to the 3rd Party system, and one of the most important of these are the Door entities. This section will detail how to create 3rd Party Controllers, how to create 3rd Party Doors and the synchronisation process.

Creating 3rd Party Controllers

A Door in Integriti is a 3rd Party Door if it assigned a 3rd Party Controller when created. 3rd Party Controllers can be created when any 3rd Party Door Integration is installed on the client machine being used.

These controllers can be created through any method used to currently make Controllers. If a Door Integration is correctly installed, an option should appear to add a specific kind of Controller where you can usually create Controllers.





Third Party Controllers can also be associated with Integrated Devices and is how entities belonging to these controllers are associated with a specific Integrated Devices. This Integrated Device can be specified in the 'Third Party System Device' property of the Third Party Controller.

For example, if Controllers A and B are used to create Doors and Controller A is associated with a Door Integration's Integrated Device, Doors created with Controller A will be candidates to be synchronised, while Doors created with Controller B will not.

Configurable properties belonging to Third Party Controllers will vary depending on the Integration in question, please refer to the Integration's Manual for more information.

s

Synchronising Doors

To synchronise a Third Party Door, simply have a Third Party Controller assigned to a Door reference a Door Integration's Integrated Device. So long as the Integration is online, Doors created with Third Party Controllers matching the Integration and referencing the Integration's Integrated Device, the Door will be recognised by the Integration to be synchronised.

Deleting Third Party Doors require deleting the Third Party Door or changing the Door's Controller so that it is no longer related to the Integration's Integrated Device.

Synchronising Other Entities

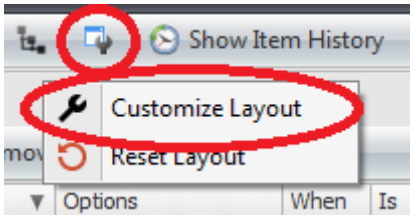
Typically Third Party Door Integrations will allow the synchronisation of other entities like Users. These entities will be synchronised to the Third Party Door System based on their association with existing Third Party Doors. For example, a User with a permission to a Third Party Door would be synchronised through the Integration, and entities assigned to a Third Party Door, like a Time Period, would be synchronised as well.

The Entities that can be synchronised, the conditions under which they will be synchronised as well properties that can be configured to be synchronised will depend on the Integration in question. For further details, please refer to the Integration specific Manual.

Accessing Custom Fields without a Property Grid

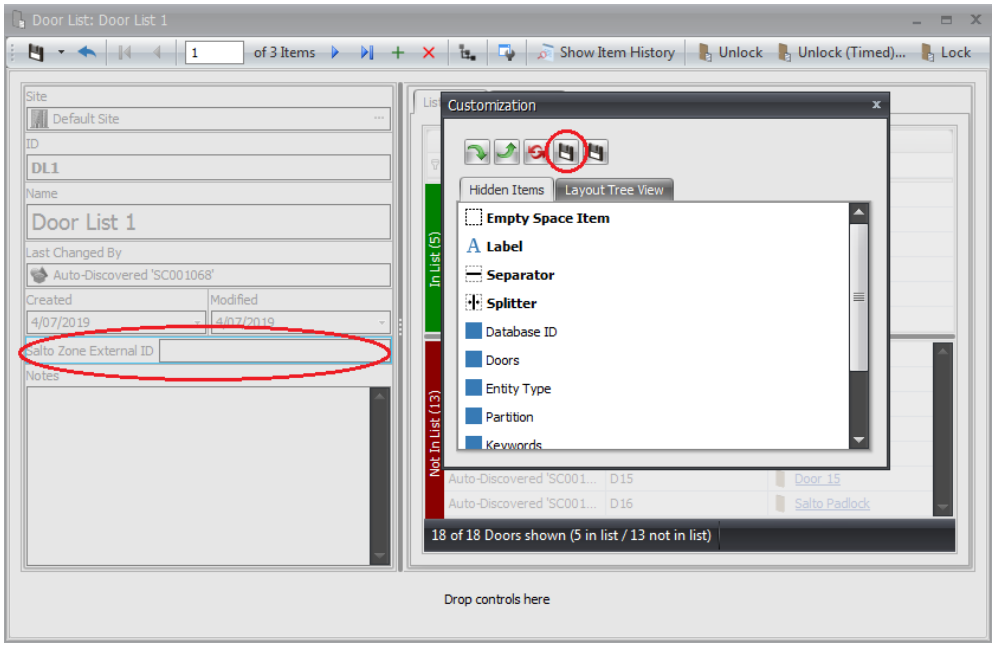
Without a property grid, custom fields cannot be viewed or edited by the default display when editing certain entities. However, they can be displayed by customising the layout of the entity editor.

To begin customising the editor's layout, click the  button or right-click anywhere on the editor and select "Customise Layout" from the options that appear, as shown below.



s

The following display will appear:



In the “Hidden Items” tab, you will find hidden entity fields, including custom fields if any exist. To display these fields, drag a given field onto the editor layout where desired. Above is an example of moving the ‘Assigns Traka Item Access Group’ custom field on to the Permission Group editor’s layout. The layout can then be saved ye clicking the “Save to Current Set”, ensuring that any fields that are now visible will be visible the next time the editor is opened.

s

Event Monitoring

Monitoring Events/Alarms

Once successfully enrolled and configured to listen for events, the integration module will automatically begin a connection and start receiving all available events and alarms from the Thid Party Door system once the configuration is saved, provided the Persisted Connection Run Mode is set to any option except Disabled.

On an event or alarm occurring in the Third Party Door system, the integration will automatically save a Review Record outlining the details of the event. Review generated by an integration will always have the Text prepended by the name of the integration is square braces.

On supported Integrations, the generated Review Records will also provide relevant Categories for each event type, allowing the specific event type to be filtered down with the Category filter.

Filtering Events/Alarms Received

Restricting which events and alarms received from the Third Party Door system will generate Review Records in Integriti can be achieved in one of two ways (or a combination of both), depending on the configuration of the specific integration.

- **Connection Configuration -** Inside the Connection Configuration for the top level Integrated Device, there may be options to restrict which events and alarms are received from the Third Party Door system. This may be in the form of a checkbox allowing different types of events/alarms to be enabled or disabled or a dropdown of available event types, allowing specific types of events to be enabled or disabled.
- **Generate Review Transitions -** If the Generate Review Transitions property is available under Events/Alarms in the Device Properties this can be used to restrict exactly which Categories of events will generate review records. Anything selected will generate a Review Record, while anything not selected will not be monitored. This does not affect the Auto Input Trigger or License Plate Recognition features, as these are configured separately.
  If no Categories are selected, then no events or alarms will be monitored from the third party system.
  Generate Review Transitions can be configured from the enrolled Integrated Device.

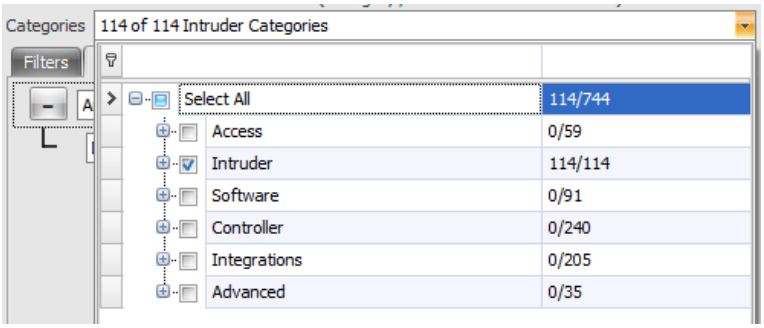
s

Door Events as Triggers

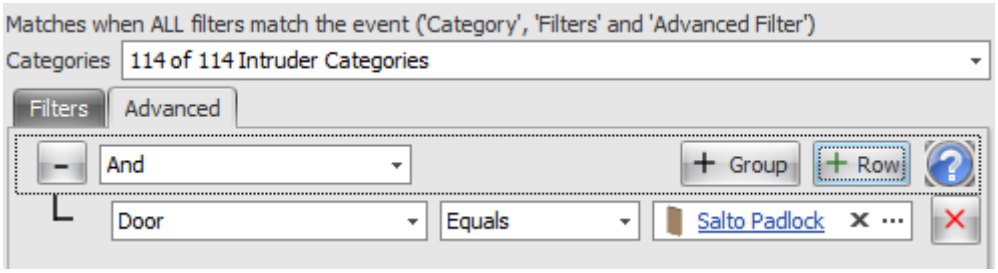
Any event received from an Integriti Door Integration can be used as a trigger for several features in Integriti, including Scheduled Tasks and Alerts. This allows actions to be automatically performed, and Alerts to be automatically created and triggered based on an event from the Door system.

For example, the following demonstrates how to create a Review Trigger that will trigger on a Intruder events on a Third Party Door:

1. In the Alert/Scheduled Task to add the trigger to add a new Review Trigger.
2. Set the 'Categories' field to include all 'Intruder' Categories as shown below.



3. Click on the 'Advanced' tab.
4. Add a new row to the newly created trigger and set it to 'Door' 'Equals' and select the Third Party Door desired.



The trigger will then look as shown above. Save and close the trigger and future Door events matching the filter will activate the trigger.

s

Invoking Commands

Supported Door integrations allow several different commands to be executed on the Door system. This allows for actions to be triggered in the Door system directly from Integriti either automatically on an event or manually by an Operator.

The Invoke Command dialog can be accessed from the context menu of the Door integration's integrated device in Integriti, either from the device list or Schematics. Once the Invoke Integrated Device Command dialogue opens, select the command to invoke from the dropdown list. Once selected, any options for that command will appear underneath the dropdown. Configure the available options as desired and press Ok to send the command to the Door system.

Refer to the individual integration's manual for more details on available commands, as well as details on the available options for each command.